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MACHINERY AND MACHINE TOOL PLANTS
PRODUCE NEW EQUIPMENT

RUSTAVI PLANT TO GET ROLLING MILL -- Zarya Vostoka, No 112, 10 Jun 49

The Novo-Kramatorsk Machine-Building Plant is now engaged in building a pipe-rolling mill for Rustavi metallurgists. This machine will be installed in a 20,000-square-meter area. Plant engineers prepared more than 3,000 different plans in designing this machine. The plant is also building a holding furnace for molten pig iron for the Transcaucasus Metallurgical Plant.

"IL'MARINE" PLANT BUILDS PEAT MACHINERY -- Sovetskaya Estoniya, No 135, 10 Jun 49

In May the "Il'marine" Machine-Building Plant assembled PTK rollers for Estonian peat fields. The plant is also working on the PTK peat-collecting machine.

LENINGRAD PLANTS MAKE NEW POWER EQUIPMENT -- Sovetskaya Litva, No 134, 9 Jun 49

The Metal Plant imeni Stalin in Leningrad has tested a new 25,000-kilowatt high-pressure steam turbine. The new machine is very economical and highly efficient. Parts of the new turbine are standardized with the parts of turbines previously produced by the plant. In addition, new original elements of steam distribution and control are applied in the new turbine.

Pravda Ukrainy, No 142, 18 Jun 49

The "Kinap" (motion-picture equipment) Plant in Leningrad is producing portable electric power units for movable motion-picture equipment.

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GRINDING, SCRAPING MECHANIZED AT AVTOMAT PLANT -- Leningradskaya Pravda, No 132,
7 Jun 49

Vasily Odintsov, a gauge-maker at the Avtomat Plant in Leningrad, had devised a method of grinding shaper contours on a machine tool. This involved designing a special radial cutter and an attachment to make possible elliptical dressing of the ground shaper disc. The attachment was assembled with the aid of baffle plates, sockets, and Johanson blocks.

He also devised means of marking, hammering out the semicircle, drawing the wheels, cutting, soldering, and grinding the parts of a spline gauge on a surface-grinding machine. These operations are now performed five times as fast by machine as they were by hand, and more accurately. The same machine adaptation will also grind red-hot radial templates, patterns, and dies of any shape.

Another new attachment on the surface-grinding machine permits Odintsov to scrape a center prism for an automatic machine-tool support in 2 hours 5 minutes instead of the 7 hours required by the hand process. The precision is much higher. He has now extended the process to scraping three prisms at once on the same machine. This machining can be done by a semiskilled worker.

Adapting a surface-grinding machine to scraping the surface of a machine-tool headstock is another of Odintsov's innovations which will soon be in general use.

NEW MACHINE TOOLS DEVELOPED -- Leningradskaya Pravda, No 135, 10 Jun 49

Workers of the Machine Tool Plant imeni Ordzhonikidze in cooperation with workers of the Central Scientific Research Institute of Heavy-Machine Building (TsNIIIMASH) have successfully completed tests on highly porous abrasive wheels for high-speed grinding. The high surface porosity of these wheels accounts for a 40 - 70 percent increase in productivity.

Sovetskaya Belorussiya, No 114, 10 Jun 49

The Minsk Machine-Tool Building Plant has developed a new vertical broaching machine, the 7-A-710.

MACHINERY PLANTS FULFILL PLANS -- Sovetskaya Moskva, No 141, 15 Jun 49

The "Krasnaya Presnya" Castings Plant has fulfilled the half-year plan. It has deposited 250,000 rubles in the State bank. Profits during 4 months amounted to 1.3 million rubles.

Pravda Ukrainy, No 134, 9 Jun 49

Workers at the Kharkov "Svet shakhtera" Plant are producing above the plan.

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